



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20060001

Agency Interest No.: 33147

Mr. Mike Schoch
Hilcorp Energy Company
1201 Louisiana Street, Suite 1400
Houston, Texas 77002

RE: Permit modification, Caillou Island Field - Westside Compressor Station, Hilcorp Energy Company, Caillou Island, Terrebonne Parish, Louisiana

Dear Mr. Schoch:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

The permit number and agency interest number should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 2880-00142-02

Sincerely,

Chuck Carr Brown, Ph.D.
Assistant Secretary
CCB/DCN

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.Louisiana.GOV

AIR PERMIT BRIEFING SHEET
OFFICE OF ENVIRONMENTAL SERVICES
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CAILLOU ISLAND FIELD - WESTSIDE COMPRESSOR STATION
AGENCY INTEREST NO. 33147
HILCORP ENERGY COMPANY
CAILLOU ISLAND, TERREBONNE PARISH, LOUISIANA

I. Background

Hilcorp Energy Company owns and operates the Caillou Island Field - Westside Compressor Station near Caillou Island, Terrebonne Parish under the Standard Oil and Gas Permit No. 2880-00142-01, dated November 9, 2004.

II. Origin

A permit application and Emission Inventory Questionnaire dated November 22, 2006 were submitted requesting a permit modification.

III. Description

Natural Gas from the field is compressed and injected into a sales pipeline using two compressors driven by 1100 horsepower engines. Hilcorp Energy Company requested a permit modification to limit the potential-to-emit (PTE) of the facility below the Part 70 major source threshold. Permitted emissions from the station in tons per year are as follows:

Pollutant	Emissions
PM ₁₀	0.23
SO ₂	0.01
NO _x	65.13
CO	56.01
VOC	1.11

IV. Type of Review

This application was reviewed for compliance with the Louisiana Air Quality Regulations. Louisiana Part 70 operating permit program, NSPS, PSD, and NESHAP do not apply. The facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Public Notice

A notice requesting public comment on the proposed permit was published in *The Advocate*, (Baton Rouge, LA) and in the XXXX, (XXX, LA) on XXX, 2007. The notice was also mailed to individuals and organizations on the mailing list of the facility and published in the Office of Environmental Services Public Notice Mailing List on XXX, 2007. The permit application and the proposed permit were submitted to the XXX Branch, Terrebonne Parish Library. All comment will be considered prior to a permit decision.

AIR PERMIT BRIEFING SHEET
OFFICE OF ENVIRONMENTAL SERVICES
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

CAILLOU ISLAND FIELD - WESTSIDE COMPRESSOR STATION
AGENCY INTEREST NO. 33147
HILCORP ENERGY COMPANY
CAILLOU ISLAND, TERREBONNE PARISH, LOUISIANA

VI. Effects on Ambient Air

Emissions from the facility are not expected to cause or to contribute to any National Ambient Air Quality Standards (NAAQS) or Ambient Air Standards (AAS) exceedances.

VII. General Condition XVII Activities

ID	Description	Emissions (tons/year)		
		VOC	PM ₁₀	Others
	(None)			

VIII. Insignificant Activities (LAC 33:III.501.B.5)

ID	Description	Citation
	(None)	

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated November 22, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 33147 Caillou Island Field - Westside Compressor Station
 Activity Number: PER2006001
 Permit Number: 2880-00142-02
 Air - Minor (Synthetic) Initial

Also Known As:	ID	Name	User Group	Start Date
	2880-00142	Caillou Island Tank Battery #6	CDS Number	06-18-1989
	LAG33A188	LPDES #	LPDES Permit #	02-21-2006
		Hilcorp Energy Co	Multimedia	08-01-2004
Physical Location:		3 Mi W of Caillou Island, LA 70000	Main Phone:	7132092416
Mailing Address:		1201 Louisiana St Ste 1400 Houston, TX 77002	Phone (Type)	
Location of Front Gate:		29° 6' 58" latitude, 90° 30' 7" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83	Relationship	
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7133121838 (DP)	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	MSCHOCH@HILCO	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132892756 (WF)	Responsible Official for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Water Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7133121838 (DP)	Water Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	MSCHOCH@HILCO	Water Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132892756 (WF)	Water Permit Contact For
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Emission Inventory Contact for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7133121838 (DP)	Emission Inventory Contact for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	MSCHOCH@HILCO	Emission Inventory Contact for
	Michael Schoch	PO Box 61229 Houston, TX 772081229	7132892756 (WF)	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Air Billing Party for
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092420 (WF)	Air Billing Party for
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Operates
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092420 (WF)	Operates
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Owns
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092420 (WF)	Owns
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092416 (WP)	Water Billing Party for
	Hilcorp Energy Co	PO Box 61229 Houston, TX 772081229	7132092420 (WF)	Water Billing Party for
SIC Codes:		1311, Crude petroleum and natural gas		

General Information

AI ID: 33147 Caillou Island Field - Westside Compressor Station
Activity Number: PER20060001
Permit Number: 2880-00142-02
Air - Minor (Synthetic) Initial

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 33147 - Caillou Island Field - Westside Compressor Station
 Activity Number: PER20060001
 Permit Number: 2880-00142-02
 Air - Minor (Synthetic) Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT001	1100 HP Compressor Engine		1100 horsepower	1100 horsepower		(None Specified)
EQT002	1100 HP Compressor Engine		1100 horsepower	1100 horsepower		(None Specified)
FUG003	Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	Caillou Island Field - Westside CS	A133147
GRP005	Compressor Engine Cap	EQT1 1100 HP Compressor Engine
GRP005	Compressor Engine Cap	EQT2 1100 HP Compressor Engine

Relationships:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT001	1100 HP Compressor Engine	77.41	3631	1	40	700
EQT002	1100 HP Compressor Engine	77.41	3631	1	40	700

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP004	22	100 hp	1480 - Recip Nat Gas Comp (1,000 to 2,500 H.P.)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 33147 - Caillou Island Field - Westside Compressor Station

Activity Number: PER20060001

Permit Number: 2880-00142-02

Air - Minor (Synthetic) Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001		0.09			0.01			24.23			20.84				0.34
EQT 002		0.09			0.01			24.23			20.84				0.34
003															
FUG 003															
008															
GRP 005	0.09			0.23 <	0.01		0.01	24.23		65.13	20.84		56.01	0.34	0.91

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 0.23 tons/yr

SO2: 0.01 tons/yr

NOx: 65.13 tons/yr

CO: 56.01 tons/yr

VOC: 1.11 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 33147 - Caillou Island Field - Westside Compressor Station

Activity Number: PER20060001

Permit Number: 2880-00142-02

Air - Minor (Synthetic) Initial

All phases

Benzene			Formaldehyde			Toluene			Xylene (mixed isomers)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr
EQT 001					0.09						
002					0.09						
EQT 002											
003											
FUG 003	< 0.01	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
008											
GRP 005				0.09	0.25						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Benzene: <0.01 tons/yr

Formaldehyde: 0.25 tons/yr

Toluene: <0.01 tons/yr

Xylene (mixed isomers): <0.01 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 33147 - Caillou Island Field - Westside Compressor Station

Activity Number: PER20060001

Permit Number: 2880-00142-02

Air - Minor (Synthetic) Initial

EQT001 1100 HP Compressor Engine

1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

2 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

3 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA, on request. [LAC 33:III.1513]

4 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.9.13, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

5 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days).

Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

6 Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days).

Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

7 Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

8 Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing. [LAC 33:III.501.C.6]

EQT002 1100 HP Compressor Engine

9 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

10 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 33147 - Caillou Island Field - Westside Compressor Station
Activity Number: PER20060001
Permit Number: 2880-00142-02
Air - Minor (Synthetic) Initial

EQT002 1100 HP Compressor Engine

- 11 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 12 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. *The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul.* Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 13 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
- 14 Which Months: All Year Statistical Basis: None specified
Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
- 15 Which Months: All Year Statistical Basis: None specified
Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O₂ in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
- 16 Which Months: All Year Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NO_x, CO and O₂ concentrations in the stack gas obtained during semiannual testing. [LAC 33:III.501.C.6]

FUG003 Fugitive Emissions

- 17 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

GRP004 Caillou Island Field - Westside CS

- 18 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 19 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 20 Carbon monoxide <= 56.01 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
- 21 Nitrogen oxides <= 65.13 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 33147 - Caillou Island Field - Westside Compressor Station

Activity Number: PER20060001

Permit Number: 2880-00142-02

Air - Minor (Synthetic) Initial

GRP004 Caillou Island Field - Westside CS

- 22 VOC, Total <= 1.11 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 23 Particulate matter (10 microns or less) <= 0.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 24 Sulfur dioxide <= 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 25 Formaldehyde <= 0.25 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 26 Benzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 27 Toluene < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 28 Xylene (mixed isomers) < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 29 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 30 Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.517.C]
- 31 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 32 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 33 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]

GRP005 Compressor Engine Cap

- 34 Compressor Operating time <= 5376 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if compressor operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
- 35 Compressor Operating time monitored by hour/time monitor continuously. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Monthly total
- 36 Compressor Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total compressor operating time each month, as well as the total compressor operating time for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 37 Operating time of compressors - Submit report: Due annually, by the 31st of March. Report the compressor operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]